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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (currently amended):   A method for allocating system resources among groups having entitlement values and maximum limits comprising:

allocating a computer system resource to active groups according to respective entitlement values;

determining an excess entitlement allocated to inactive groups;

calculating a scaling ratio for each group;

sorting active groups by their scaling ratios, creating a list of active groups in an increasing order;

traversing the list of active groups once; and

performing a finite and bounded set of operations at each group after a single pass to reallocate ~~reallocating~~ the excess entitlement to the active groups in proportion to the respective entitlement values, without exceeding a maximum limit for each of the active groups,

whereby the system resource reallocated to each of the active groups are scaled up from each group's entitlement value by a fixed ratio up to the group's maximum limit.

2.   (original):   The method of claim 1, wherein the maximal values for inactive groups is set equal to zero.

3.   (canceled).

4.   (original):   The method of claim 3, wherein the scaling ratio is a ratio between the maximum limit and the entitlement value.

5.   (original):   The method of claim 3, wherein the step of reallocating comprises:

determining whether unprocessed groups can scale by the scaling ratio of a current group without exhausting unallocated resources; and

if the unprocessed groups can scale without exhausting the unallocated resources, then setting the maximal value of the current group equal to the maximum limit of the current group.

6.   (original):   The method of claim 5, wherein the step of reallocating further comprises:

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